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Zhang, C., Pettigrew, M. J., and Mureithi, N. W. — Further Study of Quasiperiodic Vibration Excitation Forces in Rotated Triangular Tube Bundles Subjected to Two-Phase Cross Flow. **131**, 031303
Zhang, Xiaoling — High Temperature Rotors: Failure Mechanisms and Remnant Life Assessment. **131**, 011406
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Zheng, Chuanxiang, and Lei, Shaohui — Mechanical Analysis and Optimal Design for Carbon Fiber Resin Composite Wound Hydrogen Storage Vessel With Aluminum Alloy Liner. **131**, 021204
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Zheng, Jinyang, Li, Xiang, Xu, Ping, Lin, Xiufeng, and Li, Yaxian — Analyses on the Short-Term Mechanical Properties of Plastic Pipe Reinforced by Cross Helically Wound Steel Wires. **131**, 031401
____ (see Shi, Jianfeng) **131**, 061403
Zhou, Joe, Rothwell, Brian, Nessim, Maher, and Zhou, Wenxing — Reliability-Based Design and Assessment Standards for Onshore Natural Gas Transmission Pipelines. **131**, 031702
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____ (see Nessim, Maher) **131**, 061701
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____, **McLaren, K. W., and Li, Y.** — Flow-Acoustic Coupling in *T*-Junctions: Effect of *T*-Junction Geometry. **131**, 041302
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